

Grid and Data Management Coordination Meeting

May 31st 2005.

RPordes.

1. CDF

Series of investigations and workshop looking at shared disk cache solutions to enhance analysis finished. Report being written. Conclusion that dcache has potential to satisfy the needs. Wide Area Working Group (WAWG) working with offsite CDF to improve data rates and remove network bottlenecks by adapting sam-cpp to use srm interfaced to high bandwidth lightpaths.

Action Items:

2005/05/10:25 CDF DH management to write confirming endorsement of wawg investigations into sam-cp interface to srm and enhancing throughput using extremely high bandwidth lightpath networks.

Update: We are confirming our endorsement of Valeria's and Wide Area Working Group (WAWG) efforts to improve the transfer rates over the Starlight link between Fermilab and institutions in UK and UCL in particular. The reliable high bandwidth link is very important for high volume data transfers between FNAL and CDF institutions in the UK. - Krzysztof

2. MINOS

2005/04/12:7: Necessary licence for LSF source code and integration of kerberos authentication into LSF underway. Expect this to be ~weeks work.

Action Items:

2005/05/10:26 Work identified for upper storage that if dcap protocol was changed to support UID translation into a string rather than a number sufficient security in traceability of the user would be available.

Update: on agenda for May 31st GDM

3. Upper Storage

2005/04/12:21: Request that topic be on the next GDM agenda.

2005/04/12:22: Remaining work is hardware procurements. Action will be closed.

4. FermiGrid

See the presentation of plan to present General Purpose Farms to OSG, and for access to local Storage Services. Make sure all FermiGrid sites on OSG have "FNAL" string in their name.

Action Items:

2005/05/10:27 FermiGrid to work with Upper Storage and ISA groups on Fermilab access to Storage Services in stken.

5. SAMGrid

Action Items:

2005/05/10:28 SamGrid to talk to Eileen about script to automate direct generation of Remedy from monitoring tools.

Update: Thanks for the reminder - we're not really in a position to utilize a connection to remedy yet (hopefully soon). I have Eileen on my list of people to talk to when we're ready to implement that feature. --- Adam

6. OSG

Action Items:

2005/05/10:28 Request for common approach to Information Services to be revisited after OSG provisioning and deployment.

Response to

Action Items from Grid and Data Management Coordination Meeting

April 12th 2005

Updated May 10th 2005

Updated May 30th 2005

Astro		Action Item	Status	Closed
2005/04/12	1	CD Management to understand CD support and resources available for this application as separate from OSG support.		
2005/04/12	2	Upper Storage and SDSS to understand details of		

		SDSS use case of SRM for this application		
2005/04/12	3	iVDGL to retest SRM compatability after new release of DRM.	Waiting for new DRM release. Release done. Waiting for testers.	
D0				
2005/04/12	4	D0 to report back from D0 Runjob review and understanding of Runjob futures at D0.	Runjob review scheduled for 19 th May	
CDF				
2005/05/10	25	CDF DH management to write confirming endorsement of wawg investigations into sam-cp interface to srm and enhancing throughput using extremely high bandwidth lightpath networks.	Mail from CDF: We are confirming our endorsement of Valeria's and Wide Area Working Group (WAWG) efforts to improve the transfer rates over the Starlight link between Fermilab and institutions in UK and UCL in particular. The reliable high bandwidth link is very important for high volume data transfers between FNAL and CDF institutions in the UK. Krzysztof	
MINOS				
2005/04/12	7	Minos and Farms group to get information from other Experiments on and further investigate successful use of kerberized dcache doors with job submitted to LSF.	Minos jobs running in AFS space are not forwarding their tickets. According to news at a recent CD OPS meeting, work is in progress to understand this. Only when this works and Minos is ready would unauthenticated DCAP access be cut off.	
CD Common				
2005/04/12	9	Vicky to present CD FermiGrid and Grid strategy to Farms Users Meeting.		
2005/04/12	10	CCF-CMS Upper Services meeting to write workplan for proposed Grid Security Services activity.	Security Plan for Open Science Enclave sent into CSExec meetings. draft from Keith for 05/27/2005	

2005/04/12	11	CCF-CMS Upper Services meeting to understand impact of LCG proposed use of File Transfer Service.		
2005/04/12	13	Add Patriot as GDM stakeholder.	<p>List of Drivers:</p> <ul style="list-style-type: none"> - Patriot (Monte Carlo) dataset generation and delivery - US CMS Simulation Production <p>Priority: Same level as Lattice Gauge Facility , Dark Energy Survey</p> <p>Timeline:</p> <p>Today: deliver a Patriot dataset to CMS and ATLAS farm at CERN.</p> <p>GDM Projects that Driver Depends on: Unclear.</p> <p>Other Dependencies: Enstore, Fixed Target Farm</p> <p>Risks:Unclear.</p>	
FermiGrid				
SAMGrid				
2005/05/10	28	SamGrid to talk to Eileen about script to automate direct generation of Remedy from monitoring tools.	<p>Thanks for the reminder - we're not really in a position to utilize a connection to remedy yet (hopefully soon). I have Eileen on my list of people to talk to when we're ready to implement that feature.</p> <p>--- Adam</p>	
Grid Accounting				
2005/04/12	18	Understand interface and interaction of Grid Accounting to Facility accounting. Contact Jeff Mack.		

2005/04/12	19	Plan for Project Presentation on Grid Accounting scope and deliverables in the near future.		
Vo Privilege				
2005/04/12	20	Start planning for Phase II of VO Privilege with emphasis on Policy and Design		
Upper Storage				
2005/04/12	21	Understand program of work for evaluations of CMS data handling alternatives.	Yes, this is "how much time do we put into understanding xrootd", which is time we do NOT spend providing features and improvements in dCache. I expect US-CMS to tell us about what their plans are so that we can prepare ourselves to support them. Presentation of CMS work and plans at CMS Coordination meeting 05/17/2005.	

Closed Action Items

Astro		Action Item	Status	Closed
D0				
CDF				
2005/04/12	5	CDF to identify single point of contact with Upper Storage for new requests.	K. Genser and D Benjamin (CDF DH leaders)	Closed
2005/04/12	6	CDF, SAMGrid, CD, CCF management to confirm agreement that SAM cache-SRM project is on hold and not in SAMGrid workplan	no effort being applied by the SamGrid project. Presented in May GDM with new action item for sam-cp testing.	Closed
US CMS				

MINOS				
2005/04/12	8	Upper Storage Project Lead to Request Briefing on dCache authenticated access requirement and plans: Is there a CD policy requirement that would disallow anonymous read access to dCache data? Discuss and decide on proposed Upper Storage policy to only allow authenticated access.	From Rob: here was quite a misunderstanding of what I proposed, and I did not realize how much so until afterwards... which added to the trouble. I do not propose to turn off weakly authenticated FTP doors, only unauthenticated DCAP doors. I think people calmed down over time and there was little said at a recent CD ops meeting when I re-mentioned this topic... once it was made clear that I was NOT talking about FTP.	Closed
CD Common				
2005/04/12	12	SamGrid project lead to check JIM uses Grid-monitor if necessary.		Closed
2005/04/12	14	Request briefing for request to initiate common Information Services project.	Presentations at 2005/05/09 GDM	Closed
FermiGrid				
2005/04/12	16	Understand FermiGrid scope and deliverables for GPP farms.	Present to GDM 2005/05/09	Closed
2005/04/12	15	Update FermiGrid Plan.	Discussion at FermiGrid Stakeholders meeting 2005/05/08	Closed
SAMGrid				
2005/04/12	17	Add missing SAMGrid subprojects to drivers spreadsheet.		Closed
Grid Accounting				
Vo Privilege				
Upper				

Storage				
2005/04/12	22	Present to division plan for expanded FNAL dCache service.	Plan in progress to outline what could be done to expand FNDCA over the next few months, with little spent up front. The main point is to re-organize it a little to allow for expansion of both admin nodes (not easy now) and door nodes.	Closed
Lower Storage				
2005/04/12	23	Lower Storage Project lead and Stakeholders to follow up to understand details and implications of tape migration constraint that no data is lost – including deleted files.	Covered in our tape migration strategy.	Closed
2005/04/12	24	Lower Storage Project lead and GDM coordinator to follow up on Drivers in the spreadsheet.		Closed